



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Xu, et al.

Serial No.: 10/718,887

Confirmation No.: Unknown

Filed: November 21, 2003

For: A Method of Eliminating  
Photoresist Poisoning in  
Damascene Applications

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Group Art Unit: Unknown

Examiner: Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING  
37 CFR 1.8

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B. J.  
Signature

Dear Sir:

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

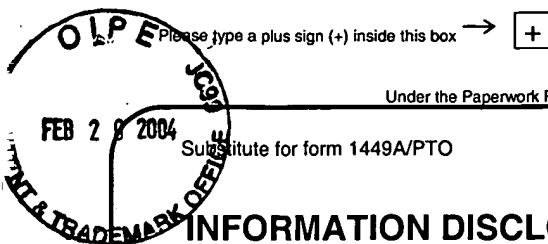
If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No.20-0782/AMAT/5620.C1/BKH.

Respectfully submitted,



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 4

Application Number	10/718,887
Filing Date	NOVEMBER 21, 2003
First Named Inventor	PING XU, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/5620.C1/DSM/LOW K/JW
Submission Date	February 6, 2004

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US-6,534,397 B1	03/18/2003	Okada, et al.	
	A2	US-6,528,426 B1	03/04/2003	Olsen, et al.	
	A3	US-6,495,448 B1	12/17/2002	Lee	
	A4	US-6,489,238 B1	12/03/2002	Tsui	
	A5	US-6,436,824 B1	08/20/2002	Chooi, et al.	
	A6	US-6,429,121 B1	08/06/2002	Hopper, et al.	
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	A8	US-6,372,661 B1	04/15/2002	Lin, et al.	
	A9	US-6,303,523 B2	10/16/2001	Cheung, et al.	
	A10	US-6,159,871	12/12/2000	Loboda, et al.	
	A11	US-6,147,009	11/14/2000	Grill, et al.	
	A12	US-6,140,226	10/31/2000	Grill, et al.	
	A13	US-6,114,259	09/05/2000	Sukharev, et al.	
	A14	US-6,107,192	08/22/2000	Subrahmanyam, et al.	
	A15	US-6,103,456	08/15/2000	Tobben, et al.	
	A16	US-5,926,437	07/20/1999	Forbes, et al.	
	A17	US-5,821,168	10/13/1998	Jain	
	A18	US-5,818,071	10/06/1998	Loboda, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Number-Kind Code <sup>2</sup> (if known)				
	B1	0 725 440 A2	08/07/1996	EP		
	B2	99/33102	07/01/1998	WIPO		
	B3	06-204191	07/22/1994	JP		X
	B4					
	B5					

Examiner

Date Considered

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/718,887
		Filing Date	NOVEMBER 21, 2003
		First Named Inventor	PING XU, ET AL.
		Group Art Unit	UNKNOWN
		Examiner Name	UNKNOWN
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Sheet 2	of 4	Submission Date	February 6, 2004

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	A19	US-5,801,098	09/01/1998	Fiordalice, et al.	
	A20	US-5,780,163	07/14/1998	Camilletti, et al.	
	A21	US-5,741,626	04/21/1998	Jain, et al.	
	A22	US-5,726,097	03/10/1998	Yanagida	
	A23	US-5,711,987	01/27/1998	Bearinger, et al.	
	A24	US-5,679,413	10/21/1997	Petrmichl, et al.	
	A25	US-5,660,682	08/26/1997	Zhao, et al.	
	A26	US-5,627,105	05/06/1997	Delfino, et al.	
	A27	US-5,618,619	04/08/1997	Petrmichl, et al.	
	A28	US-5,593,741	01/14/1997	Ikeda	
	A29	US-5,554,570	09/10/1996	Maeda, et al.	
	A30	US-5,525,550	06/11/1996	Kato	
	A31	US-5,451,263	09/19/1995	Linn, et al.	
	A32	US-5,427,621	06/27/1995	Gupta	
	A33	US-5,423,941	06/13/1995	Komura, et al.	
	A34	US-5,409,543	04/25/1995	Panitz, et al.	
	A35	US-5,362,526	11/08/1994	Wang, et al.	
	A36	US-5,314,724	05/24/1994	Tsukune, et al.	

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	B10					

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				Sheet 3	of 4

## U.S. PATENT DOCUMENTS

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		Number-Kind Code <sup>2</sup> (if known)				
	B11					
	B12					
	B13					
	B14					
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Sheet 4	of 4	Submission Date	February 6, 2004

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C1	SWOPE, ET AL. "Improvement of Adhesion Properties of Fluorinated Silica Glass Films by Nitrous Oxide Plasma Treatment" J. Electrochemical Society 144(7) July 1977, pp. 2259-2564.	
	C2	TAKEISHI, ET AL. "Stabilizing Dielectric Constants of Fluorine-Doped SiO <sub>2</sub> Films by N <sub>2</sub> O-Plasma Annealing, J. Electrochemical Society 143(1) January 1996, pp. 381-384.	
	C3	OGAWA, ET AL. "Novel ARC Optimization Methodology for KrF Excimer Laser Lithography at Low K <sub>1</sub> Factor", Proceedings of the SPIE Optical/Laser Microlithography V, Vol. 1674 1992, pp. 362-375.	
	C4	DIJKSTRA, ET AL. "Optimization of Anti-Reflection Layers for Deep UV Lithography", Proceedings of SPIE Optical/Laser Microlithography VI, Vol. 1927 1993, pp. 275-286.	

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